Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE	FUEL TYPE	STANDARDS & TEST	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6					
	ENGINE FAMILI	SIZES (L)		PROCEDURE		TBI, TC, CAC, ECM, OC, HO2						
2008	8CEXH0359BBH	5.9	LPG	Diesel	MHDD	181, 10, 6/10, 2011, 00, 11						
	'ENGINE'S IDLE NS CONTROL	···	A	DITIONAL IDLE EN	IISSIONS CO	NTROL 5						
E	Exempt	<u> </u>		N	/A							
ENGINE (L) ENGINE MODELS / CODES (rated power, in hp)												
5.9		BLPG-195 / 8302;FR9980 (195); BLPG-155 / 0627;FR91904 (155)										
L=liter; hp 1 CNG/L 2 L/M/H I	ehorsepower; kw=kilowat NG=compressed/liquefied HDD=light/medium/heavy1	t; hr=hour; natural gas; LPG=liquefic neavy-duty diesel; UB=ur	ed petroleum gas; E85=85% ban bus; HDO=heavy duty (ethanol fuel; MF=mul	ti fuel a.k.a. BF	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; tective catalytic reduction – urea / – ammonia; the fuel refuel refu	NU (prefix) =warm-					
up catalyst TBI=throtti super char control mo	; DPF=diesel particulate f e body fuel injection; SFI/l ger; CAC=charge air cool dule; EM=engine modifica	Iter; PTOX=periodic trap MFI=sequential/multi port er; EGR / EGR-C=xhau tion; 2 (preflx)=parallel;	oxidizer: HO25/O25=heater fuel injection; DGI=direct ga: st gas recirculation / cooled E (2) (suffix)=in series;	soline injection; GCAF GR; PAIR/AIR=pulse	S/APS=neatedi RB=gaseous ca d/secondary air	rounder and serious (a.m. diversity injection injection; IDI/DDI=indirect/direct diesel injection; injection; SPL=smoke puff limiter; ECM/PCN and combustion auxiliary power system; ALT==	n; TC/SC=lurbo/ l=engine/powertrai					
Iner 13 CC	CR 1956.8(a)(6)(D): Exem	pt=exempted per 13 CCF	1956.8(a)(6)(B) or for CNG/l 71); OBD=on-board diagnos	LNG ruei systems; N//	4=nor abblicanii	e (e.g., Otto engines and vehicles);						

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		ÇO		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.5	0.5	*	*	•	•	15.5	15.5	0.01	0.01	*	*
FEL.	*	*	•	*	2.2	2.2	*	*	*	*	*	*
CERT	0.5	0.02	*	+	2,1	1.4	0.8	0.00	0.004	0.01	*	*
NTE	0.6			*		2.8	19.4		0.02			*

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ...

day of May 2008.

Annette Hebert, Chief

Mobile Source Operations Division